

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061623\
 Data File : VN078251.D
 Acq On : 16 Jun 2023 11:18
 Operator : JC\MD
 Sample : VN0616WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/19/2023
 Supervised By : Mahesh Dadoda 06/19/2023

Quant Time: Jun 17 02:19:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	401163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	735910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	618551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	234017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	259940	48.598	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.200%		
35) Dibromofluoromethane	8.177	113	217325	46.706	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.420%		
50) Toluene-d8	10.570	98	817482	45.573	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.140%		
62) 4-Bromofluorobenzene	12.853	95	245628	44.047	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	72000	15.877	ug/l	98
3) Chloromethane	2.377	50	78505	17.205	ug/l	93
4) Vinyl Chloride	2.524	62	100140	16.864	ug/l	100
5) Bromomethane	2.965	94	76875	17.131	ug/l	91
6) Chloroethane	3.136	64	70964	17.531	ug/l	98
7) Trichlorofluoromethane	3.512	101	135344	16.808	ug/l	97
8) Diethyl Ether	3.977	74	47225	16.691	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.383	101	74768	17.594	ug/l	97
10) Methyl Iodide	4.606	142	96390	16.039	ug/l	93
11) Tert butyl alcohol	5.530	59	60374	81.747	ug/l	100
12) 1,1-Dichloroethene	4.353	96	72781	16.614	ug/l	85
13) Acrolein	4.194	56	56905	69.910	ug/l	99
14) Allyl chloride	5.036	41	94157	17.608	ug/l	94
15) Acrylonitrile	5.730	53	177624	93.285	ug/l	98
16) Acetone	4.436	43	143307	93.083	ug/l	92
17) Carbon Disulfide	4.724	76	171707	15.228	ug/l	99
18) Methyl Acetate	5.036	43	126718	17.878	ug/l	90
19) Methyl tert-butyl Ether	5.812	73	248593	17.786	ug/l	94
20) Methylene Chloride	5.283	84	84588	16.626	ug/l	87
21) trans-1,2-Dichloroethene	5.794	96	78402	16.594	ug/l #	77
22) Diisopropyl ether	6.688	45	235754	18.742	ug/l	93
23) Vinyl Acetate	6.612	43	688761	92.114	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	152334	18.358	ug/l	96
25) 2-Butanone	7.494	43	219949	92.903	ug/l #	86
26) 2,2-Dichloropropane	7.494	77	130066	21.229	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	96695	17.157	ug/l	92
28) Bromochloromethane	7.824	49	77575	20.362	ug/l	87
29) Tetrahydrofuran	7.847	42	137917	87.140	ug/l	86
30) Chloroform	7.971	83	166515	18.636	ug/l	94
31) Cyclohexane	8.265	56	114469	16.683	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	142522	18.168	ug/l	94
36) 1,1-Dichloropropene	8.376	75	115809	17.352	ug/l	95
37) Ethyl Acetate	7.571	43	93526	17.938	ug/l #	93
38) Carbon Tetrachloride	8.371	117	121885	17.295	ug/l	99
39) Methylcyclohexane	9.612	83	102252	14.783	ug/l	92
40) Benzene	8.612	78	355590	17.846	ug/l	99

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41) Methacrylonitrile	7.782	41	47452	16.791	ug/l	95
42) 1,2-Dichloroethane	8.676	62	125203	18.326	ug/l	98
43) Isopropyl Acetate	8.700	43	162523	16.299	ug/l	95
44) Trichloroethene	9.359	130	90279	17.156	ug/l	98
45) 1,2-Dichloropropane	9.623	63	93857	18.932	ug/l	95
46) Dibromomethane	9.718	93	62641	17.155	ug/l	95
47) Bromodichloromethane	9.894	83	130896	19.298	ug/l	93
48) Methyl methacrylate	9.682	41	74292	17.754	ug/l	90
49) 1,4-Dioxane	9.700	88	28412	323.046	ug/l #	93
51) 4-Methyl-2-Pentanone	10.453	43	483160	92.016	ug/l	92
52) Toluene	10.641	92	220648	17.539	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	129229	18.294	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	142627	18.265	ug/l	93
55) 1,1,2-Trichloroethane	11.023	97	92456	19.427	ug/l	99
56) Ethyl methacrylate	10.876	69	123348	17.800	ug/l	91
57) 1,3-Dichloropropane	11.170	76	150971	18.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	223830	79.959	ug/l	93
59) 2-Hexanone	11.200	43	327582	89.598	ug/l	89
60) Dibromochloromethane	11.365	129	94883	18.220	ug/l	98
61) 1,2-Dibromoethane	11.476	107	86154	17.251	ug/l	97
64) Tetrachloroethene	11.112	164	76767	18.603	ug/l	96
65) Chlorobenzene	11.900	112	232909	17.583	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.964	131	88478	18.160	ug/l	97
67) Ethyl Benzene	11.970	91	410060	17.940	ug/l	100
68) m/p-Xylenes	12.076	106	303066	34.792	ug/l	96
69) o-Xylene	12.400	106	152276	17.801	ug/l	99
70) Styrene	12.417	104	240011	17.822	ug/l	99
71) Bromoform	12.582	173	55254	17.573	ug/l #	97
73) Isopropylbenzene	12.700	105	372917	16.852	ug/l	99
74) N-amyl acetate	12.500	43	119765	16.435	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	123628	18.784	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	113014m	20.428	ug/l	
77) Bromobenzene	12.988	156	86844	16.905	ug/l	98
78) n-propylbenzene	13.041	91	404477	16.823	ug/l	99
79) 2-Chlorotoluene	13.129	91	265884	17.132	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	304208	16.979	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	31639	17.571	ug/l	88
82) 4-Chlorotoluene	13.223	91	242159	16.718	ug/l	99
83) tert-Butylbenzene	13.441	119	251771	16.166	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	296236	17.054	ug/l	100
85) sec-Butylbenzene	13.623	105	318685	15.634	ug/l	99
86) p-Isopropyltoluene	13.735	119	256916	15.531	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	144905	16.676	ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	138616	16.532	ug/l	99
89) n-Butylbenzene	14.064	91	188783	14.469	ug/l	97
90) Hexachloroethane	14.341	117	48810	16.627	ug/l	90
91) 1,2-Dichlorobenzene	14.111	146	144289	16.990	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18182	16.588	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	38441	12.704	ug/l	99
94) Hexachlorobutadiene	15.505	225	22813	13.422	ug/l	96
95) Naphthalene	15.647	128	118863	11.678	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	47075	13.911	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

